

IN THE CLAIMS:

Please amend the claims as follows:

1. (ONCE AMENDED) An adapter comprising:
 - (a) a first and a second surface;
 - (b) at least one first interconnect on the first surface,
 - (c) at least one second interconnect on the second surface, the at least one second interconnect comprising a through hole connect;
 - (d) at least one connective path between the first and second interconnects, and
 - (e) a signal modifying circuit between the first interconnect and the second interconnect.
2. (ONCE AMENDED) The adapter of Claim 1 wherein the at least one first [set of] interconnect[s are] is physically spaced to correspond to a first pin configuration of a power module.
3. (ONCE AMENDED) The adapter of Claim 1 wherein the at least one second [set of] interconnect[s are] is physically spaced to correspond to a second pin configuration of an end user's circuit board.
4. The adapter of Claim 1 wherein a signal modifying circuit acts upon an input to the adapter.
5. The adapter of Claim 1 wherein a signal modifying circuit acts upon an output to the adapter.
6. The adapter of Claim 2 wherein the power module is a DC-to-DC converter.
7. (ONCE AMENDED) The adapter of Claim 2 wherein the power module is an AC-to-DC [inverter] converter.
8. The adapter of Claim 2 wherein the power module is a DC-to-AC inverter.
9. The adapter of Claim 1 wherein the first interconnects comprise surface mount connects.
10. The adapter of Claim 1 wherein the first interconnects comprise through hole connects.
11. (Cancel) The adapter of Claim 1 wherein the second interconnects comprise surface mount connects.
12. (Cancel) The adapter of Claim 1 wherein the second interconnects comprise through hole connects.

13. (ONCE AMENDED) The adapter of Claim 1 wherein the [second interconnects] signal modifying circuit comprise a filter.

14. (ONCE AMENDED) The adapter of Claim 1 wherein the [second interconnects] signal modifying circuit comprise an overvoltage protection device.

A clean copy of all pending claims is as follows:

- A2
1. (ONCE AMENDED) An adapter comprising:
 - (a) a first and a second surface;
 - (b) at least one first interconnect on the first surface,
 - (c) at least one second interconnect on the second surface, the at least one second interconnect comprising a through hole connect;
 - (d) at least one connective path between the first and second interconnects, and
 - (e) a signal modifying circuit between the first interconnect and the second interconnect.
 2. (ONCE AMENDED) The adapter of Claim 1 wherein the at least one first interconnect is physically spaced to correspond to a first pin configuration of a power module.
 3. (ONCE AMENDED) The adapter of Claim 1 wherein the at least one second interconnect is physically spaced to correspond to a second pin configuration of an end user's circuit board.
 4. The adapter of Claim 1 wherein a signal modifying circuit acts upon an input to the adapter.
 5. The adapter of Claim 1 wherein a signal modifying circuit acts upon an output to the adapter.
 6. The adapter of Claim 2 wherein the power module is a DC-to-DC converter.
 - A3
7. (ONCE AMENDED) The adapter of Claim 2 wherein the power module is an AC-to-DC converter.
 8. The adapter of Claim 2 wherein the power module is a DC-to-AC inverter.
 9. The adapter of Claim 1 wherein the first interconnects comprise surface mount connects.
 10. The adapter of Claim 1 wherein the first interconnects comprise through hole connects.
 11. (Cancel)
 12. (Cancel)
 - A4
13. (ONCE AMENDED) The adapter of Claim 1 wherein the signal modifying circuit comprise a filter.

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14. (ONCE AMENDED) The adapter of Claim 1 wherein the signal modifying circuit comprise an overvoltage protection device.
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